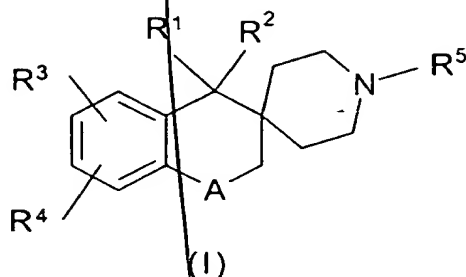


What is claimed is :

1. A tricyclic compound of Formula I:



wherein:

R^1 is hydrogen or hydroxy;

R^2 is hydrogen or hydroxy; or

R^1 and R^2 together are oxygen ;

A is a bond, CH_2 , $CH-CH_3$, CH_2-CH_2 or $C(CH_3)_2$;

R^3 and R^4 are the same or different and are hydrogen, halo, C_1-C_6 alkyl, C_1-C_4 alkoxy, trifluoromethyl, NO_2 , COR^6 , $COOR^6$ or NR^6R^7 , wherein R^6 and R^7 are the same or different and are hydrogen, C_1-C_6 alkyl or benzyl ;

R^5 is hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{3-6} cycloalkyl, $(O=C)-C_{1-6}$ alkyl, $(O=C)-C_{2-6}$ alkenyl, $(O=C)-C_{3-6}$ cycloalkyl, wherein said alkyl, alkenyl and cycloalkyl groups can be substituted by 1, 2 or 3 groups selected from halo, C_3-C_6 cycloalkyl, phenyl or substituted phenyl, and a pharmaceutically acceptable salt thereof.

2. A compound according to Claim 1, wherein R^5 is C_1-C_6 alkyl, optionally substituted with phenyl or a C_3-C_6 cycloalkyl group.

3. A compound according to Claim 1 or 2, wherein R^3 is hydrogen, halogen or C_{1-4} alkoxy.

4. A compound according to any one of Claims 1 to 3, wherein R¹ is C₁₋₆ alkyl, C₂₋₆ alkenyl or C₃₋₆ cycloalkyl, optionally substituted by 1, 2 or 3 groups selected from halo, C₃₋₆ cycloalkyl, phenyl or substituted phenyl, and R² is hydrogen.

5. A compound according to any one of Claims 1 to 4, wherein R⁴ is hydrogen.

6. A compound selected from the group consisting of:

- Sub a3
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- 10 3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-cyclopropylmethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-cyclobutylmethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-cyclohexylmethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-phenylethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-cyclopropylethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-cinnamyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
15 1'-(3,3-diphenylpropyl)-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-(cyclopropylmethyl)-3,4-Dihydro-5,7-dimethyl-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-(cyclopropylmethyl)-3,4-Dihydro-6-methoxy-1-oxospiro[naphthalene-2(1H),4'-
20 piperidine];
1'-(cyclopropylmethyl)-3,4-Dihydro-5-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-(cyclopropylmethyl)-3,4-Dihydro-7-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine];
25 1'-(cyclopropylmethyl)-3,4-Dihydro-7-nitro-1-oxospiro[naphthalene-2(1H),4'-piperidine];
1'-(cyclopropylmethyl)-7-Amino-3,4-dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-(cyclopropylmethyl)-7-Chloro-3,4-dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

3,4-dihydro -1'-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'- allyl - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

5 3,4-dihydro -1'-(2-methylpropyl)-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclopropionyl- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) - 1' (trans-2-phenyl-methylcyclopropyl) ;

3,4-dihydro -1'-benzyl-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

10 3,4-dihydro -1'-(di-p-fluorobenzhydryl)-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclopropylmethyl- 1,3,4-trihydro -1-hydroxy-spiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclopropylmethyl- 1,2,3,4-tetrahydro -spiro(naphthalene-2(1H),4'-piperidine) ;

15 1'-cyclopropylmethyl-1,3-dihydro-1-oxospiro-[2H-indene-2,4'-piperidine]

1'-(cyclopropylmethyl)-8,9-dihydrospiro[6H-benzocycloheptene-6,4'-piperidin]-5(7H)-one ;

1'-cyclopropylmethyl- 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

20 6-chloro-1'-cyclopropylmethyl- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclopropylmethyl- 3,4-dihydro -6-fluoro-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

25 1'-cyclopropylmethyl- 3,4-dihydro -6,7-dimethoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(1-cyclopropyl-1-ethyl)- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(3-pentene)- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(3-phenylpropyl)- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

30 1'-cinnamyl- 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

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1'-cyclopropylethyl - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclobutylmethyl - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

5 1'-cyclohexylmethyl - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cinnamyl - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

10 1'-(2-phenylethyl) - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3-phenylpropyl) - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3,3'diphenylpropyl) - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

15 1'-cyclopropylethyl - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclobutylmethyl - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

20 1'-cyclohexylmethyl - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cinnamyl - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(2-phenylethyl) - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

25 1'-(3-phenylpropyl) - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3,3'diphenylpropyl) - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

30 1'-cyclopropylethyl - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclobutylmethyl - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

Sub 3
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1'-cyclohexylmethyl - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cinnamyl - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

5 1'-(2-phenylethyl) - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3-phenylpropyl) - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

10 1'-(3,3'diphenylpropyl) - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclopropylethyl - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclobutylmethyl - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

15 1'-cyclohexylmethyl - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cinnamyl - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(2-phenylethyl) - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

20 1'-(3-phenylpropyl) - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3,3'diphenylpropyl) - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

25 6-chloro-1'-cyclopropylethyl - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ;

6-chloro -1'-cyclobutylmethyl - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ;

6-chloro -1'-cyclohexylmethyl - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ;

30 6-chloro -1'-cinnamyl - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ;

6-chloro -1'-(2-phenylethyl) - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ;

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6-chloro -1'-(3-phenylpropyl) - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ; and

6-chloro -1'-(3,3'diphenylpropyl) - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine.

5 3,4-Dihydro-6-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine]

7. A compound selected from the group consisting of:

1'-cyclopropylmethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-cyclopropylethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

10 1'-cinnamyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-(3,3-diphenylpropyl)-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-(cyclopropylmethyl)-3,4-Dihydro-5,7-dimethyl-1-oxospiro[naphthalene-2(1H),4'-piperidine];

15 1'-(cyclopropylmethyl)-3,4-Dihydro-6-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-(cyclopropylmethyl)-3,4-Dihydro-5-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine];

20 1'-(cyclopropylmethyl)-3,4-Dihydro-7-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-(cyclopropylmethyl)-3,4-Dihydro-7-nitro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-(cyclopropylmethyl)-7-Amino-3,4-dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

25 1'-(cyclopropylmethyl)-7-Chloro-3,4-dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-cyclopropylmethyl- 1,3,4-trihydro -1-hydroxy-spiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclopropylmethyl- 1,2,3,4-tetrahydro -spiro(naphthalene-2(1H),4'-piperidine) ;

30 1'-cyclopropylmethyl-1,3-dihydro-1-oxospiro-[2H-indene-2,4'-piperidine]

1'-(cyclopropylmethyl)-8,9-dihydrospiro[6H-benzocycloheptene-6,4'-piperidin]-5(7H)-one ;

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1'-cyclopropylmethyl- 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

6-chloro-1'-cyclopropylmethyl- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

5 1'-cyclopropylmethyl- 3,4-dihydro -6-fluoro-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclopropylmethyl- 3,4-dihydro -6,7-dimethoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

10 1'-(1-cyclopropyl-1-ethyl)- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(3-pentene)- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(3-phenylpropyl)- 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-cinnamyl- 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

15 1'-cyclopropylethyl - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclobutylmethyl - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

20 1'-cinnamyl - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(3-phenylpropyl) - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(3,3'diphenylpropyl) - 3,4-dihydro -5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

25 1'-cyclopropylethyl - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-cyclobutylmethyl - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

30 1'-cinnamyl - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

1'-(3-phenylpropyl) - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine) ;

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1'-(3,3'diphenylpropyl) - 3,4-dihydro -6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclopropylethyl - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

5 1'-cinnamyl - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3-phenylpropyl) - 3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

10 1'-(3,3'diphenylpropyl) -3,4-dihydro -7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclopropylethyl -3,4-dihydro-4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclobutylmethyl -3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cinnamyl - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3-phenylpropyl) - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3,3'diphenylpropyl) - 3,4-dihydro -4-methyl-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

20 6-chloro-1'-cyclopropylethyl - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ;

6-chloro -1'-cinnamyl - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ;

6-chloro -1'-(3-phenylpropyl) - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine ; and

25 6-chloro -1'-(3,3'diphenylpropyl) - 3,4-dihydro -1-oxospiro(naphthalene-2(1H),4'-piperidine.

3,4-Dihydro-6-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine]

8. A compound selected from the group consisting of :

1'-cyclopropylmethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

30 1'-cyclopropylethyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-cinnamyl-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

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1'-(3,3-diphenylpropyl)-3,4-Dihydro-1-oxospiro[naphthalene-2(1H),4'-piperidine];

1'-(cyclopropylmethyl)-3,4-Dihydro-6-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine];

5 1'-(3-phenylpropyl)-3,4-dihydro-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclobutylmethyl - 3,4-dihydro-5-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclopropylethyl - 3,4-dihydro-6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclobutylmethyl - 3,4-dihydro-6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-(3-phenylpropyl)-3,4-dihydro-6-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

1'-cyclopropylethyl - 3,4-dihydro-7-methoxy-1-oxospiro(naphthalene-2(1H),4'-piperidine ;

3,4-Dihydro-6-methoxy-1-oxospiro[naphthalene-2(1H),4'-piperidine]

9. A pharmaceutical composition comprising a compound according to any one of Claims 1 to 8 admixed with a pharmaceutically acceptable carrier, diluent, or carrier therefor.

10. A method for treating a mammal suffering from pain and in need of treatment comprising administering an effective amount of a compound of any one of Claims 1 to 8.

11. A method according to Claim 10 wherein the pain is neuropathic pain.

12. A method according to Claim 10 wherein the pain is diabetic neuropathy.

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13. A method for treating a mammal suffering from a seizure disorder comprising administering an effective amount of a compound of any one of Claims 1 to 8.

Sub A 4
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100